| NAVNEET  Knowledge is wealth  SATURDAY  |
|---|
|   |
| Ch-8 Advance lopics.  |
| Rusterings  Ruster is a group of objects that belongs to le same class.   |
| Olustering D.M technique used to please clenent into selected groups without adversed knowledge of garpenision. |
| applications! Madeeling Comilar booles).  |
| - City Planning - Easthquake Sholies - WWW. SUNDAY  |

> Hequisements -> Boalability to deal with different lands

of eithibrites

> Ability to deal with moisy date.

> Interpretability.

|         |                   | ,  |    |    |    | 2  | 017 |
|---------|-------------------|----|----|----|----|----|-----|
| NOTES   | JULY              | М  | Т  | W  | Т  | F  | S   |
| CHOIES) | S<br>30           | 31 |    |    |    |    | 1   |
|         | 2                 | 3  | 4  | 5  | 6  | 7  | 8   |
|         | 9                 | 10 | 11 | 12 | 13 | 14 | 15  |
|         | 16                | 17 | 18 | 19 | 20 | 21 | 22  |
|         | 23                | 24 | 25 | 26 | 27 | 28 | 29  |
|         | Michigan Chinasan |    |    |    |    |    |     |

| & Spechal Mining:  | / A  |
|--|--|
| → Spatial Mining:<br>→ Spatial data mining<br>analysis                               | is based on geograp  |
| > Analysts use geograph  | thical or spechal info                                       |
| -> Specific techniques are data into useful forme                                    | ocquised to ancest these                                     |
| 7 Tagle: Seasah Cos Spe  | itial Patterns!  |
| > cutomatically extract in documents & services.                                     | Comation Com neb pages                                       |
| documents & services.  |  |
| - inhometion discovered:   | and bouser actify bearing                                    |
| - Just Content<br>- web Structuse<br>- web Usage to                                  | Mining: litter Pege into Charles of Agesting inter and bands |
| S M T W T F S = 30 31 1  | ex. logs, app pres NOTES                                     |
| 2 3 4 5 6 7 8<br>9 10 11 12 13 14 15<br>16 17 18 19 20 21 22<br>23 24 25 26 27 28 29 |  |
| 23 24 25 26 27 28 29   |  |



|  | 3000         |
|--|--------------|
| teat Mining!  > teat duter mining is protes of high quality interned ation from teat | Journal      |
| 3 Reas:<br>Information Rehieval!   |              |
|  | to sehim     |
| Dehosel Language Processing!  SNP 15 one of the challanging                          | problems.    |
| 2) Study of human language 80 is   | understeunds |

| Big Datal: Data uhrd   | B large in quantity  |
|--|--|
| Volume<br>Velocity<br>Ve sercity   |  |
| verity:  |  |
| A Hadrof I distributed proces of that mayers do of charge his on chustered systematical procession and solutions and solutions are supplied by the systematical s | essing barnewell<br>cate poetessing<br>tyle data app. Varming<br>Jem |
| -> Pourdes Masive Grouge.  |  |
| 5 Nodes!   |  |
| 2) Name Mode<br>2) Secondary name nede. In<br>3) Job (Suches 2)  | rayter   |
| Desta Made y Glave   |  |



Haderp Die bir broted Ble System CHORS) 25toses data acrois multiple machines without poises organization. & Map Reduce! 2) pasallel protessing software barnewiste. -> Stops: is Mapper : Parthhoning.
is Reducer: Shulle, sort, Combine and produce of & YARN CYCH Another Resource Novigenters. > pavides sescuse rungement fer processes => Master rode les doites stronge => Name rode es Marko rede les pasallel procening > Job Tseckes.

& Name node: I hiles and disectionies in HDFS numespure ase sepsesented on the name needs by I rody. D'Enteins athibutes like planifying, modification times tamp, diste spelle quoter, names pelle queta, alles time - maps entire file system stouchuse into monog -Sts image: inades and the list of block which deline the metadater, Dedits modifications personned on the antent of \* Data Moder Manages state of HDFB node and interests Data node com pedlerine CPU insentue jobs.
m1 tastes, 210 jobs data import expost, indexing

SATURDAY on Blaship every deta rude connects to the name mode à per froms hand shake tooveritable As Ordanode sends heartheast to namenode, every 3 seconds to confirm that the date rode to operating and the block seption that hosts are available. D'unités blade seplicas. & tely hadeop! - Salability - Alexibility - Empelhorg power - Jaylt tolosance (projection again hardaux him uses.) -Dlow ast -3 Sterage and processing speed.

Challanges' Drap Reduce not always suitable. Citesentine tustes. Desta Security. Ato make it seems leestoos authentication pour to col is unds.

Dithicult fer new programmess. Deaching of tools his dater quality and Bhordasdia